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I have been an active member of the group of ONR SecNav/CNO Chairs in Oceanographic Sciences since being selected in 2008. The formal duration of the ONR Chairs grant was four years. For recent years, I have enjoyed no-cost extensions of this grant. I have continued to participate in Chairs meeting with the multiple Chiefs of Naval Research. These meetings are occasions for the Chairs to learn about ONR concerns and provide feedback on issues, such as opportunities and priorities for Arctic Ocean research. I will continue to participate at the pleasure of ONR.

The accomplishments of this grant include support of two graduate students, Kevin Taylor and Nathan Lauffenburger, whom I supervised. Both were awarded MS degrees by the UW School of Oceanography and are currently employed in ocean studies at APL-JHU and NOAA, respectively. These students participated in and used data from ONR DRI projects, including QPEU for Taylor and OKMC for Lauffenburger.

In addition to the PI's ONR Chair activities, the grant also supported the PI in various ONR research projects. These activities include PI participation in the field projects and data analyses for various Code 32 DRIs, including QPE (Gawarkiewicz et al. 2011, Lien et al. 2013) in E. China Sea, ITOP in typhoons in W. Pacific (D'Asaro et al. 2011 and 2013, Mrvaljevic, 2013) and OKMC off the Philippines and Taiwan.

**Publications which benefited from partial support from this grant:**

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